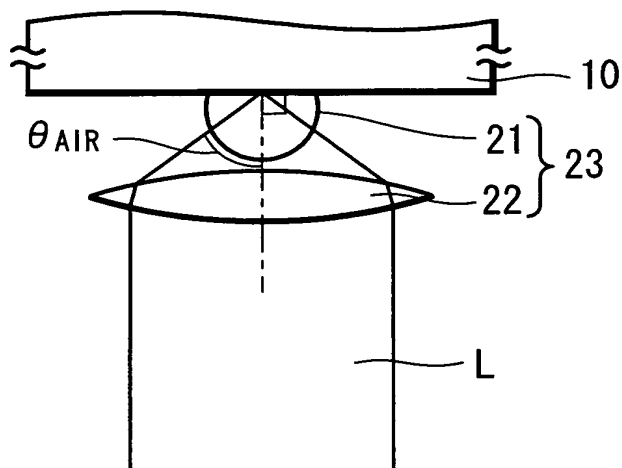


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FIG. 1 (RELATED ART)



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FIG. 2

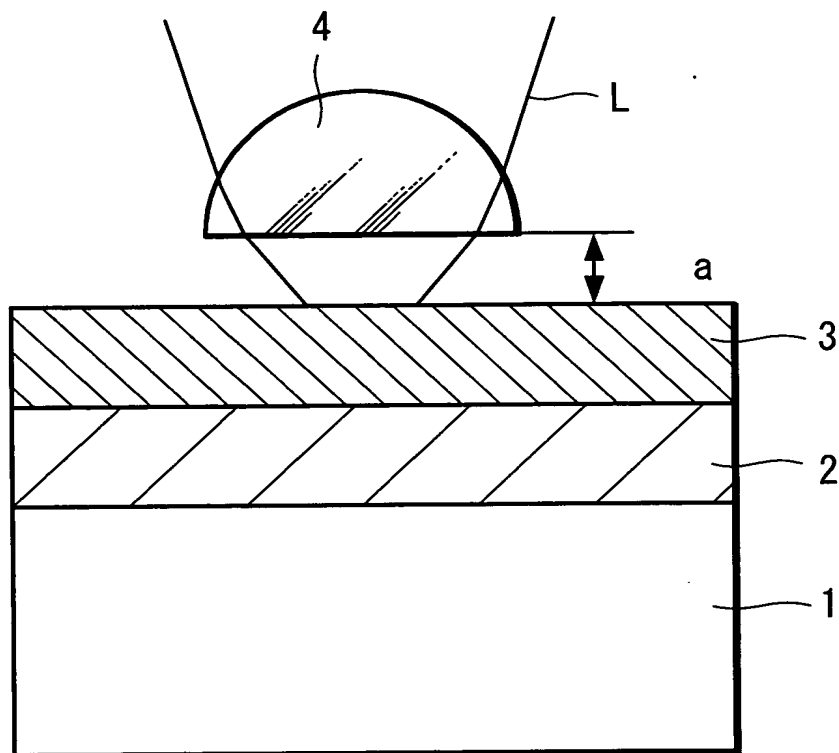
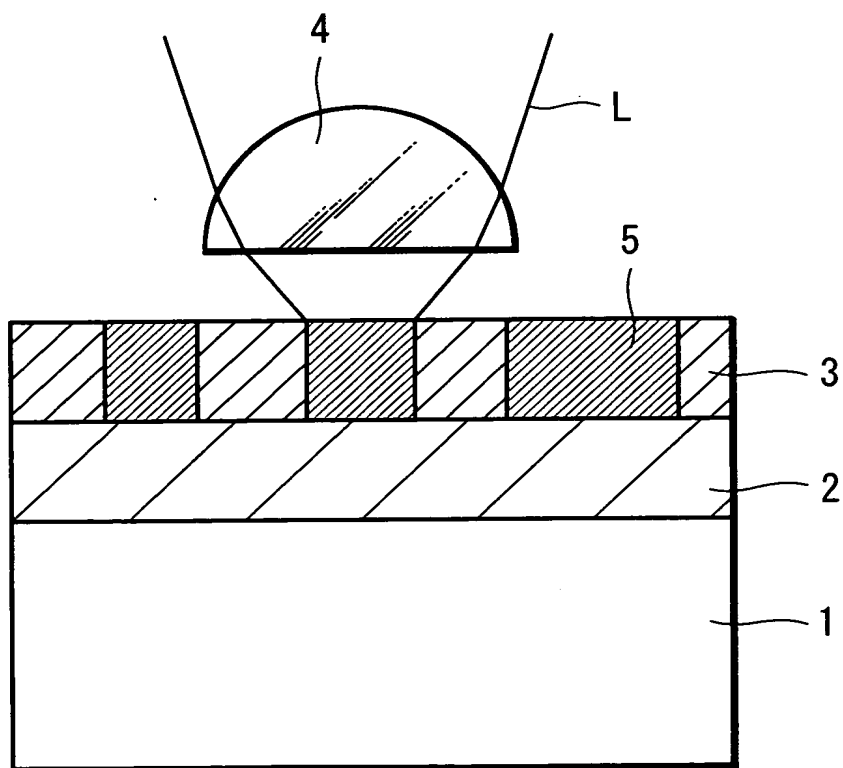


FIG. 3

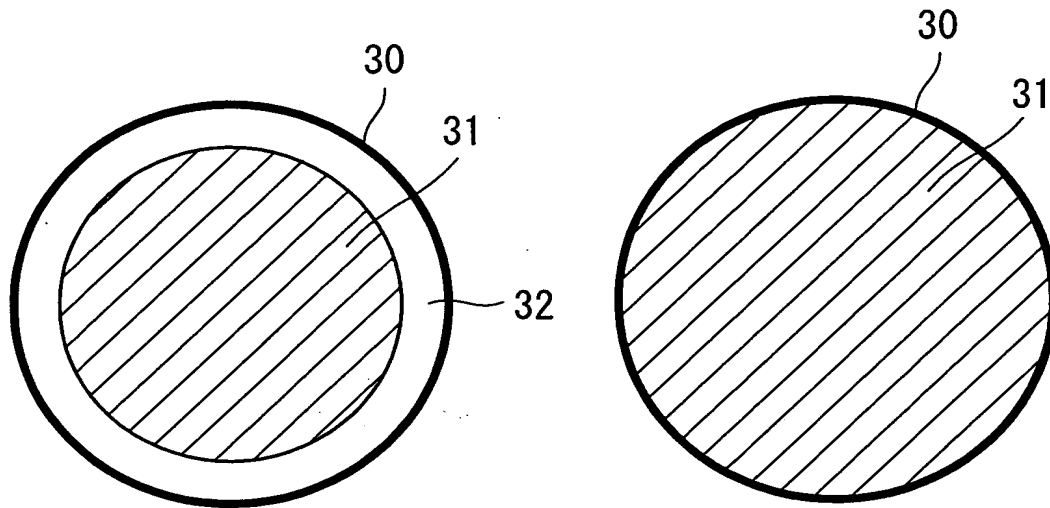


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FIG. 4A

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FIG. 4B



When $n < NA$ is Satisfied

When $n \geq NA$ is Satisfied

FIG. 5

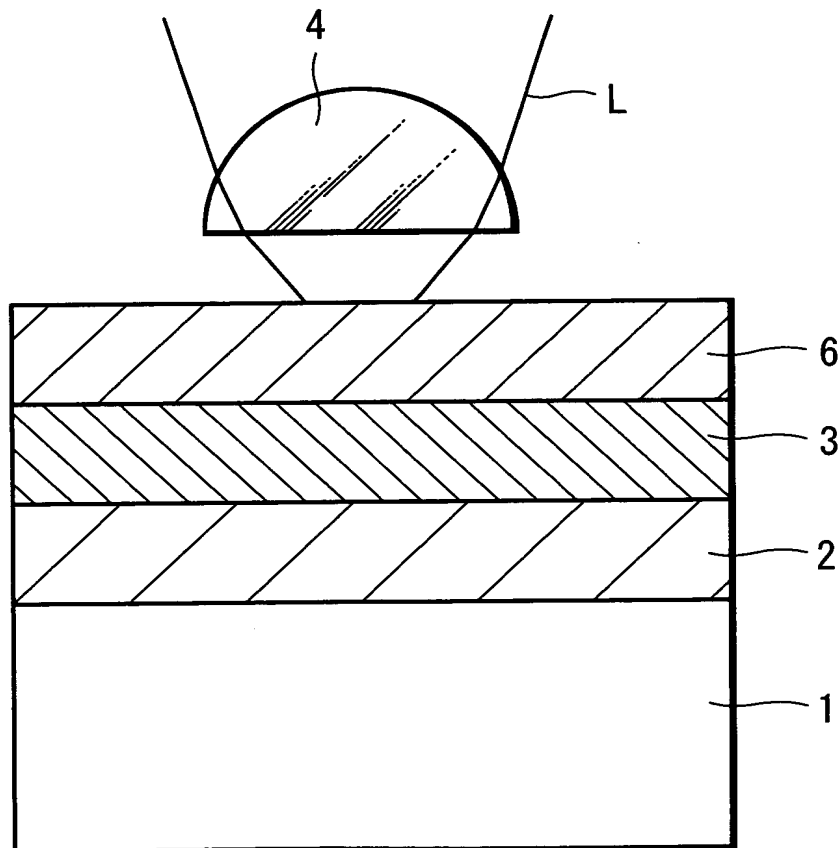
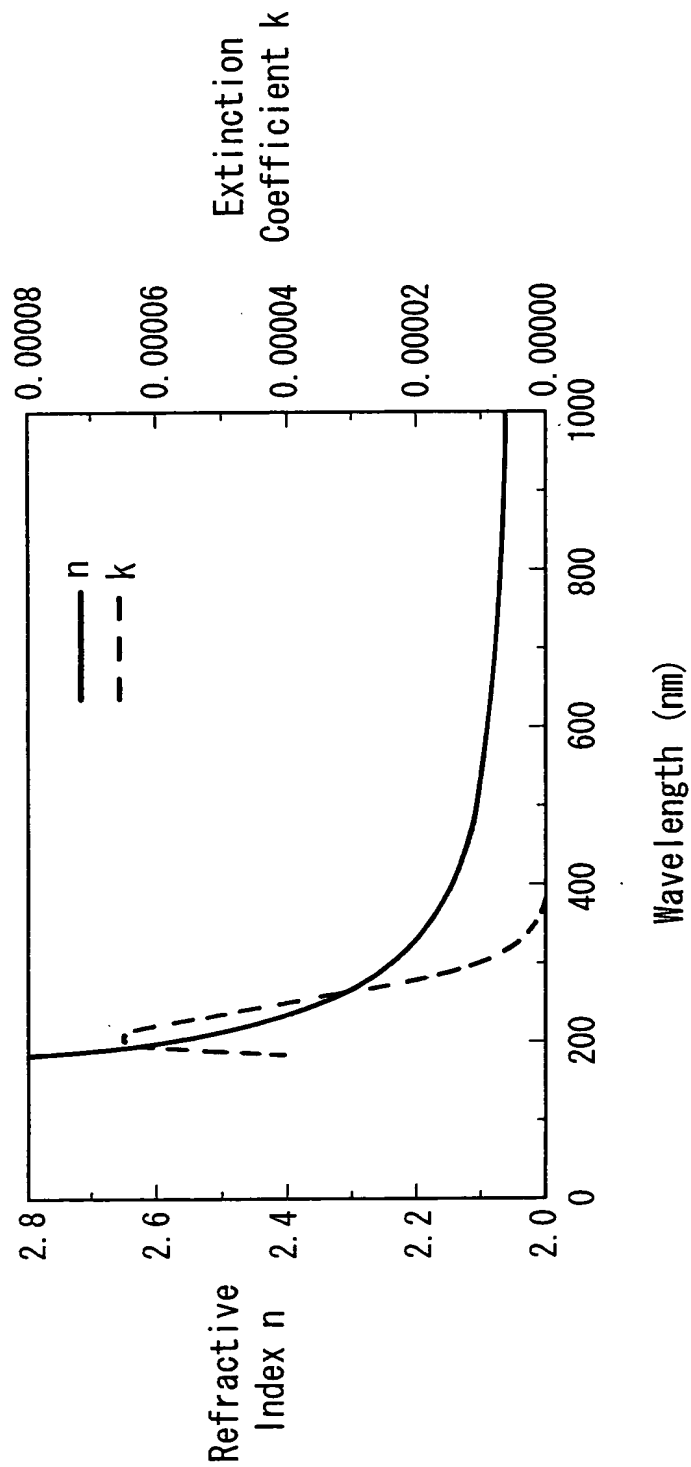
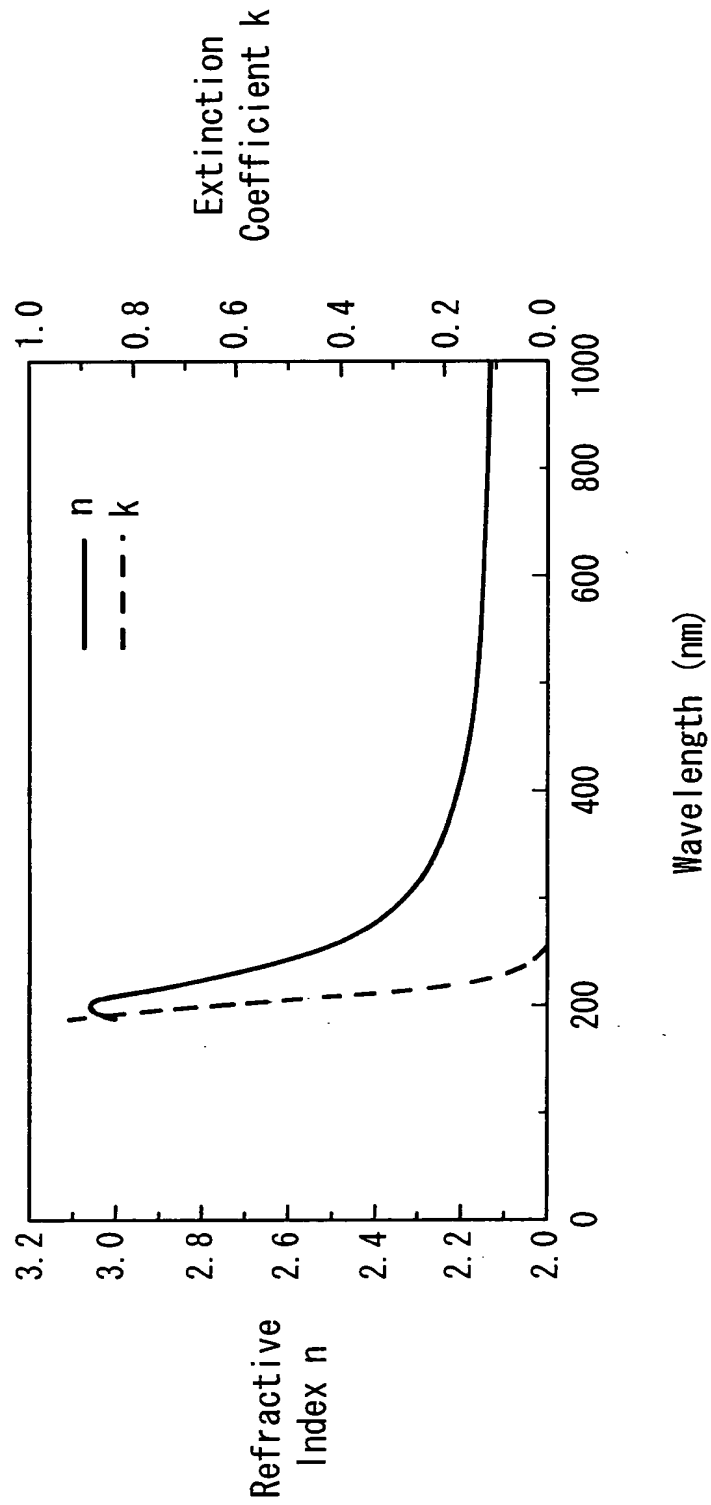


FIG. 6



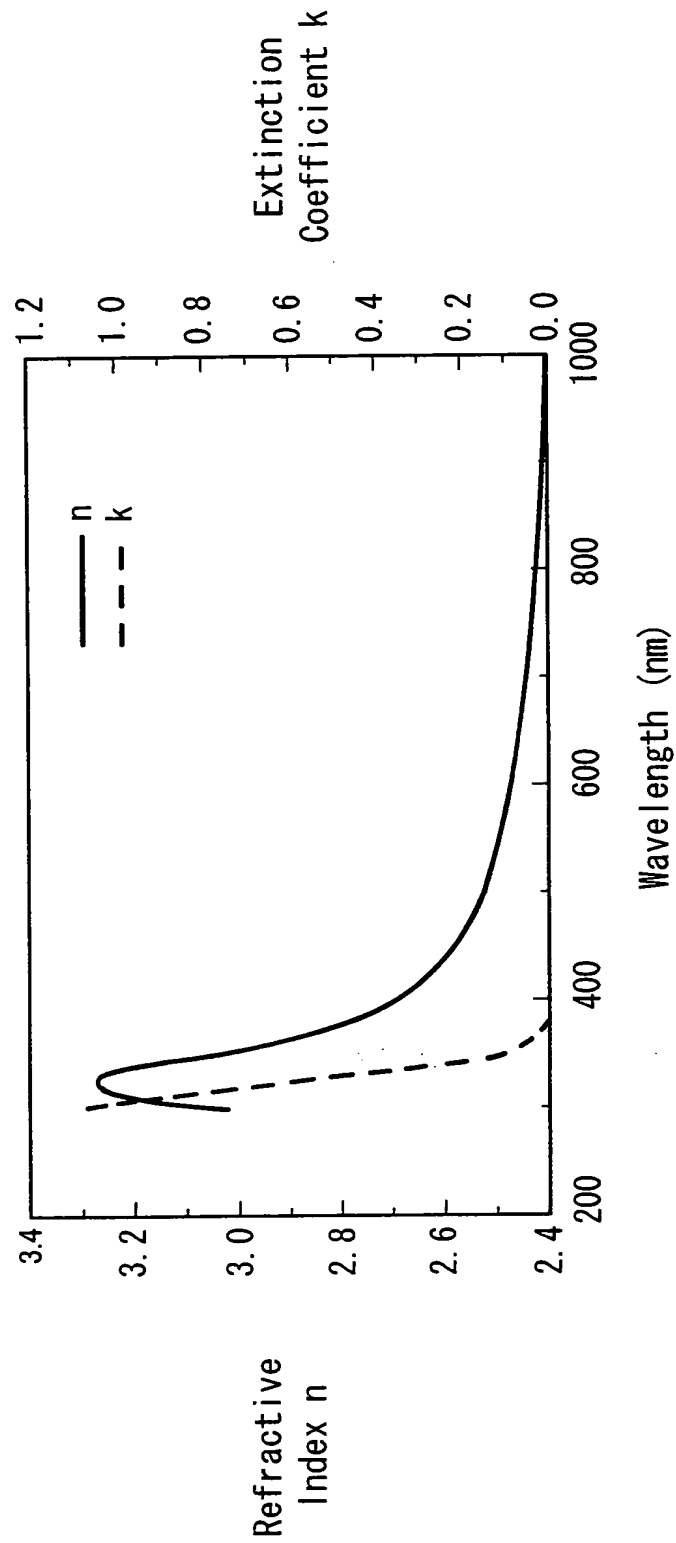
Optical Characteristics of HfO₂

FIG. 7



Optical Characteristics of ZrO₂

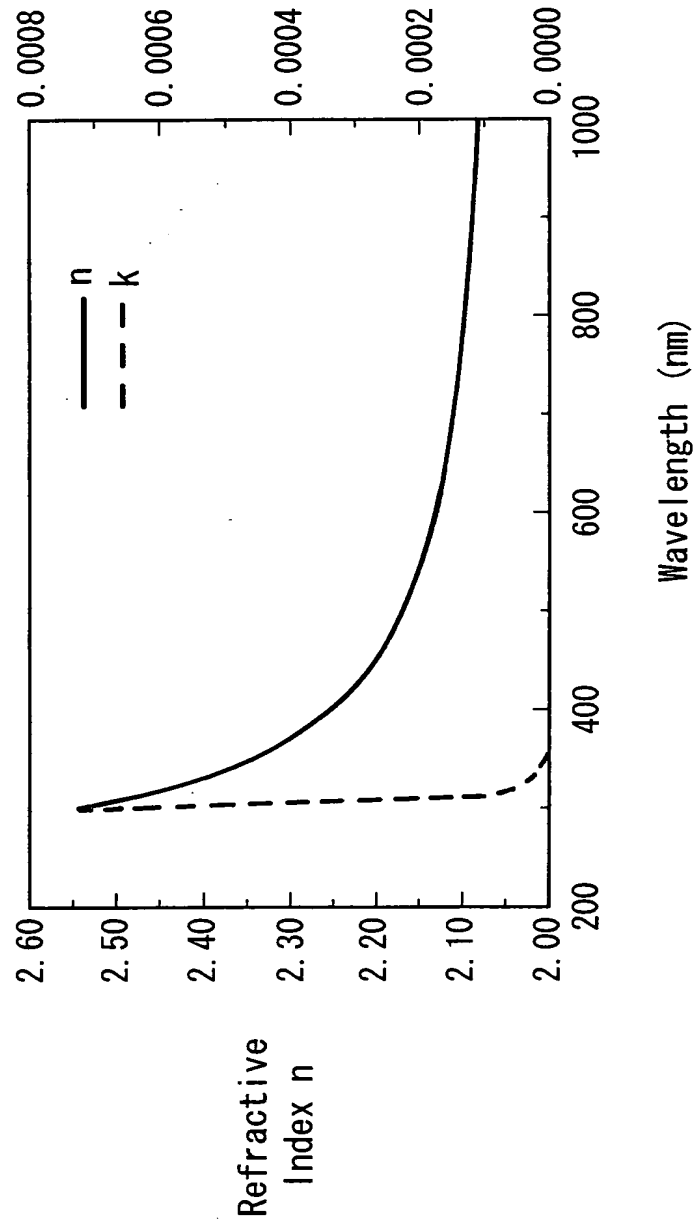
FIG. 8



Optical Characteristics of TiO₂

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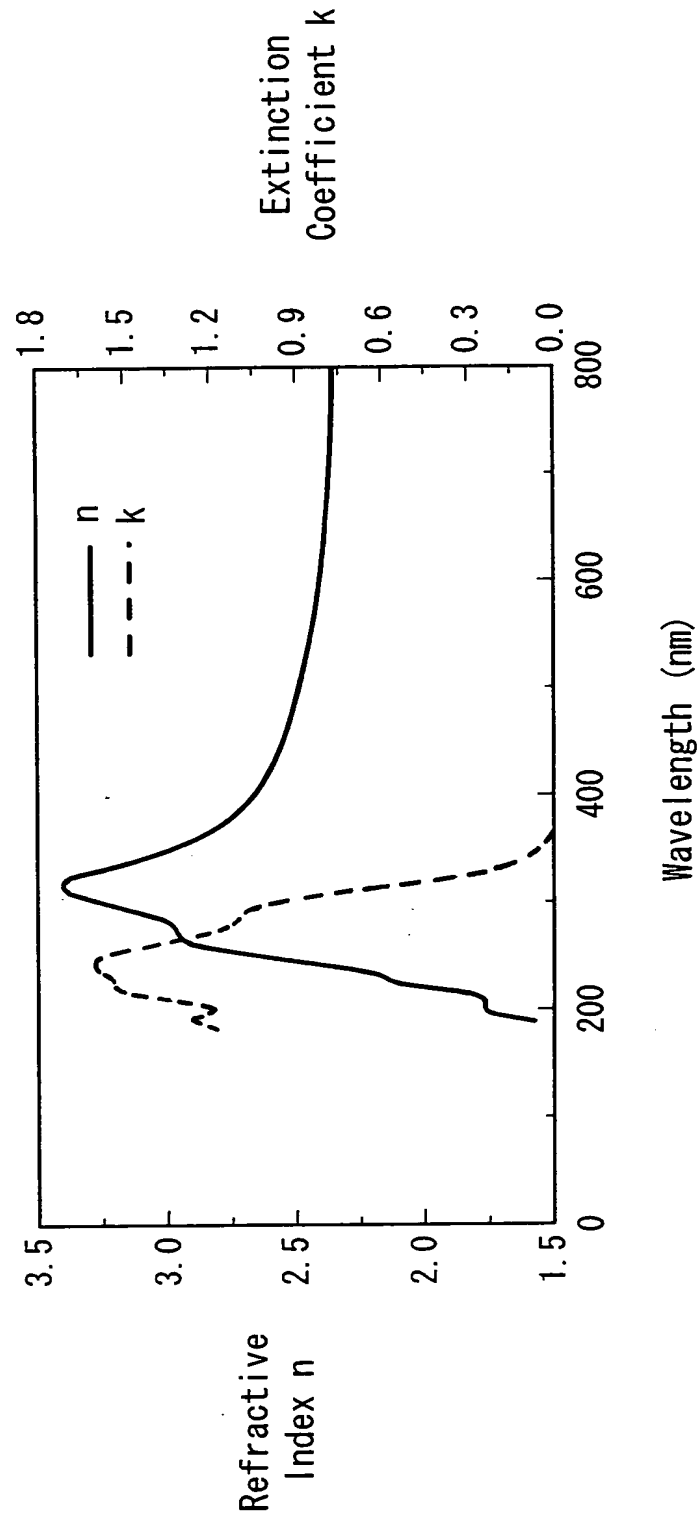
Extinction
Coefficient k / 18



Optical Characteristics of Ta₂O₅

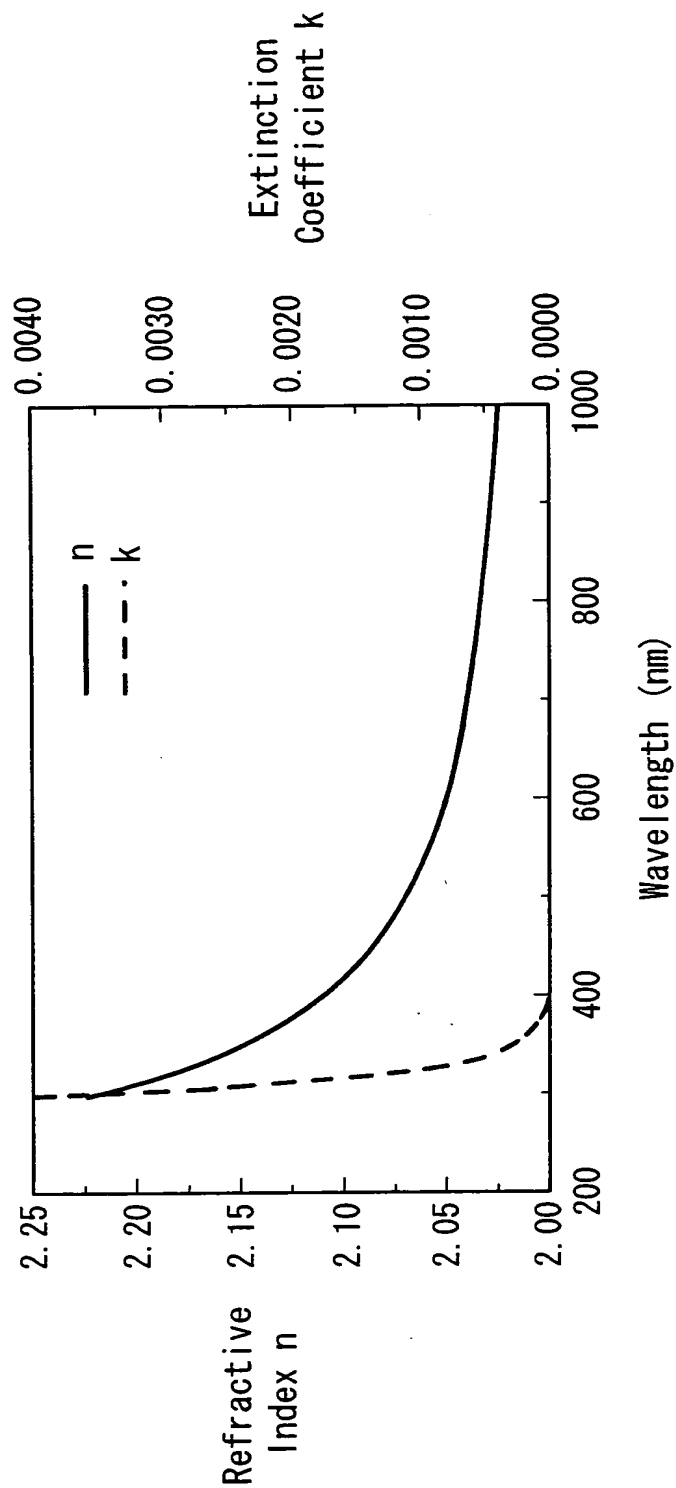
FIG. 9

FIG. 10



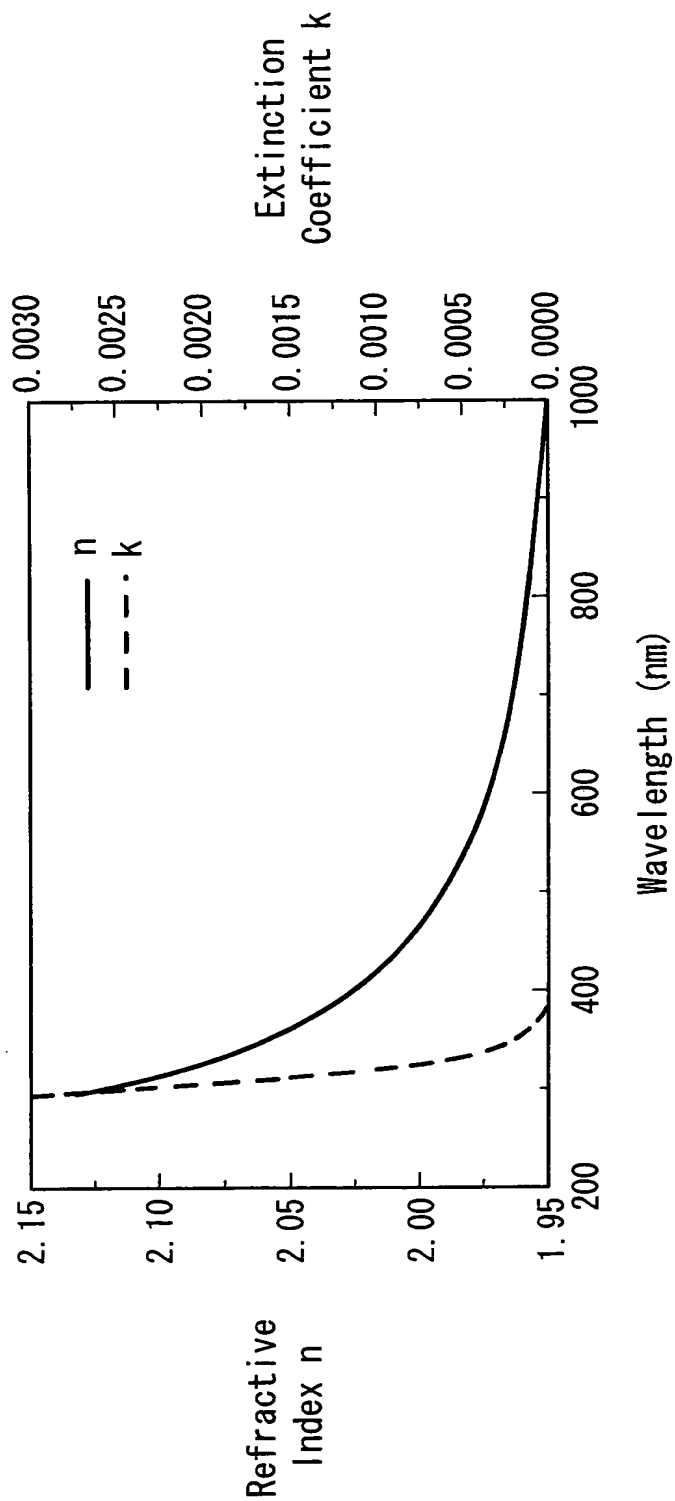
Optical Characteristics of SrTiO₃

FIG. 11



Optical Characteristics of Silicon Nitride

FIG. 12



Optical Characteristics of Aluminum Nitride

FIG. 13

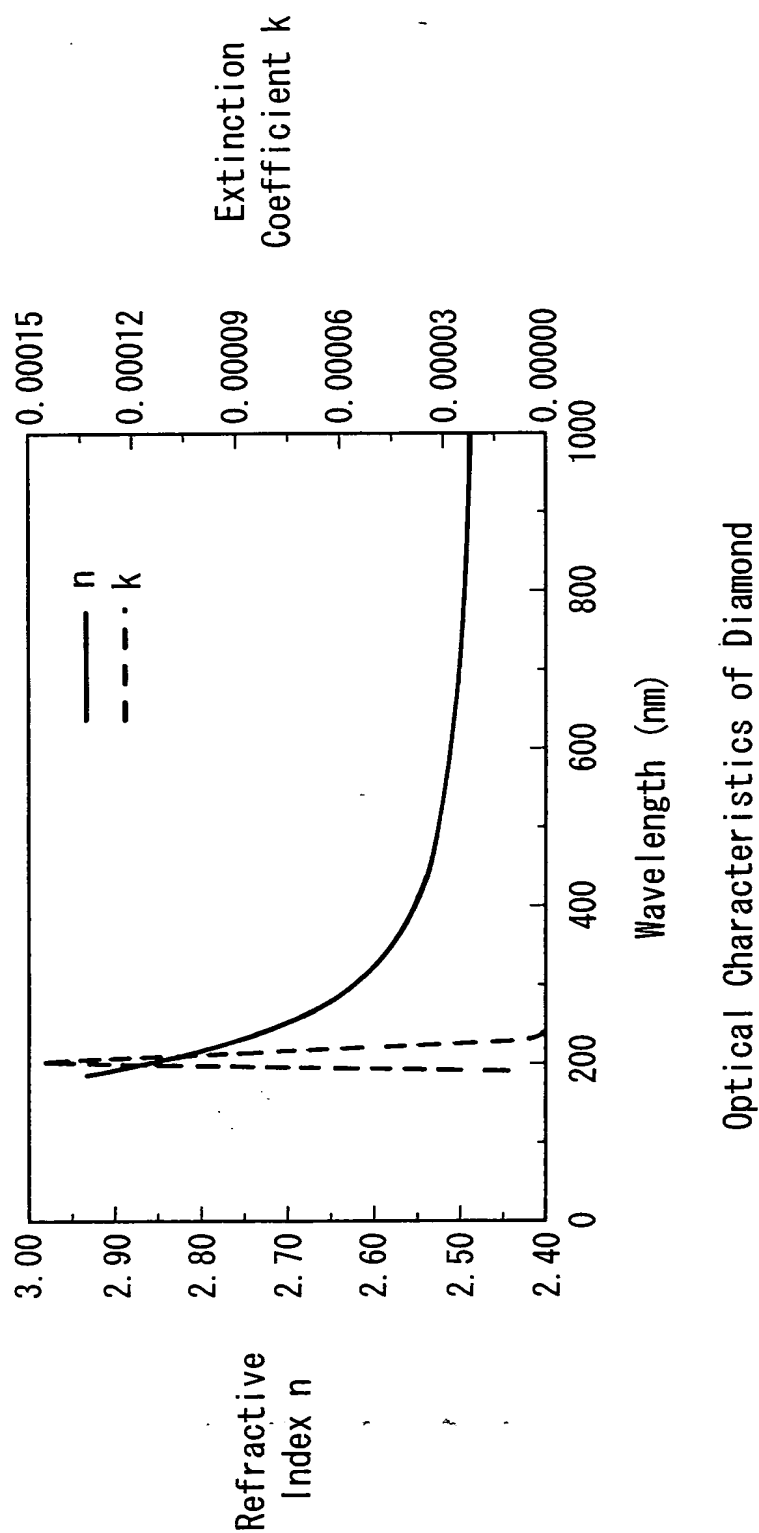


FIG. 14

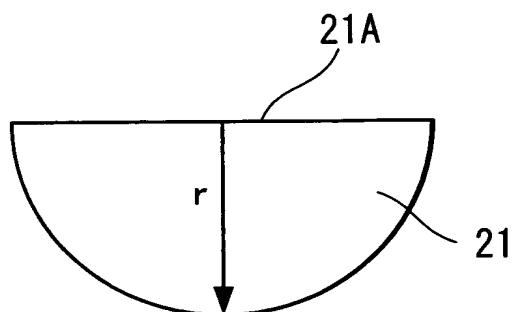


FIG. 15

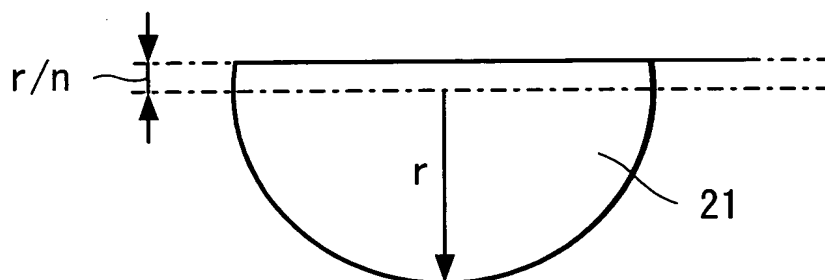


FIG. 16

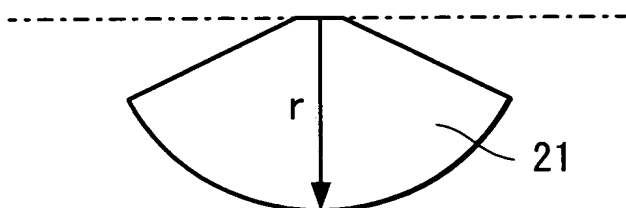


FIG. 17

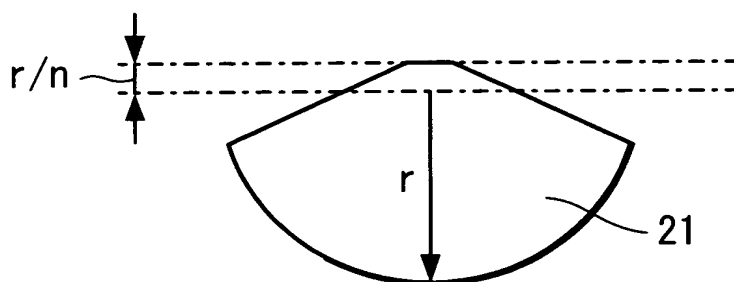


FIG. 18

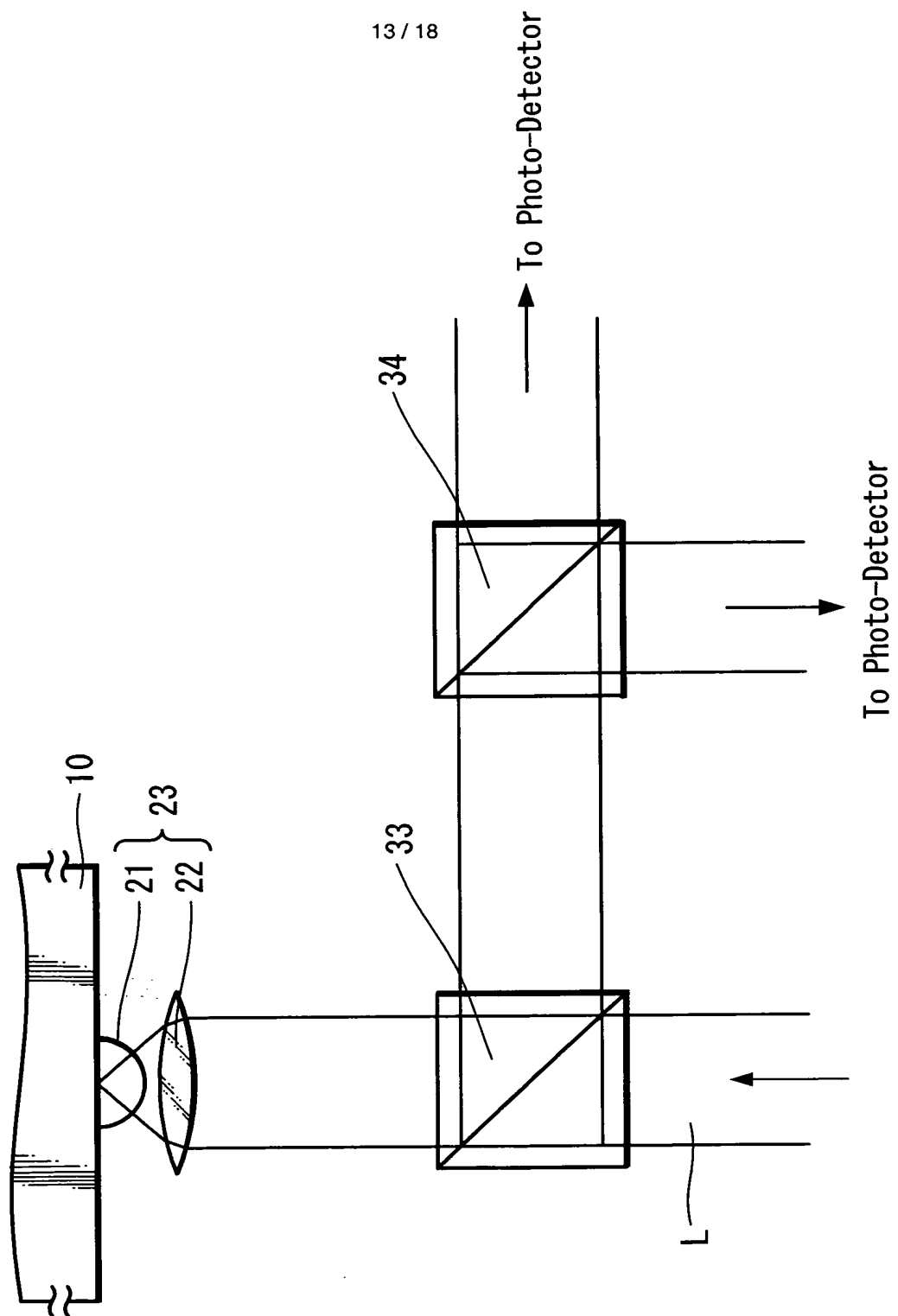


FIG. 19

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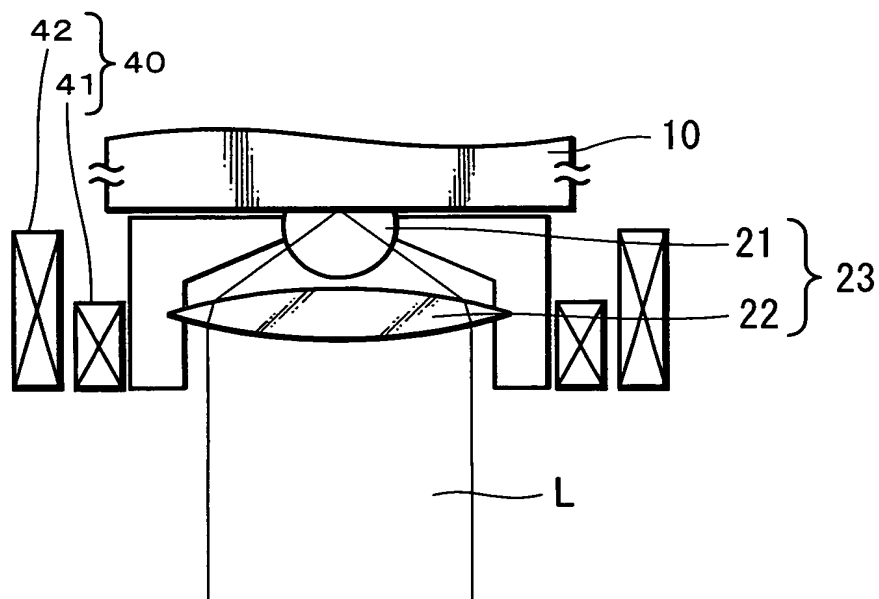


FIG. 20

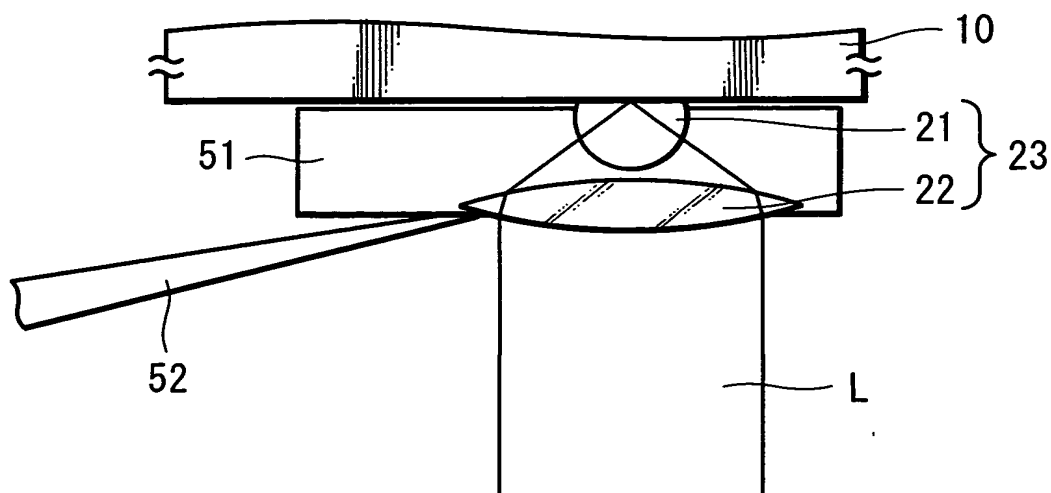


FIG. 21

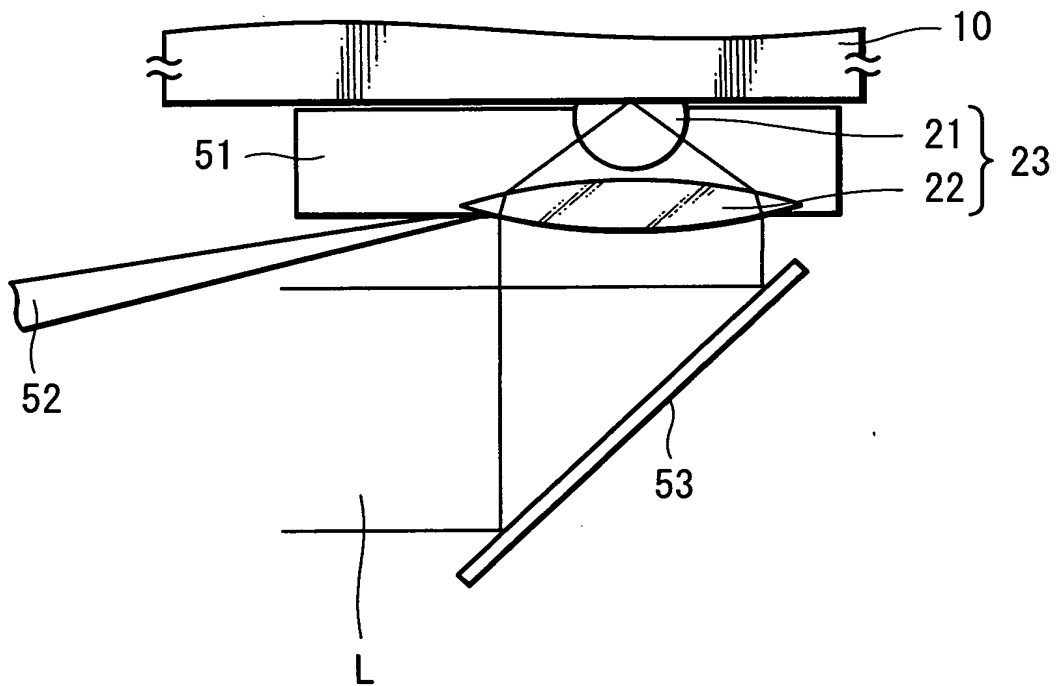
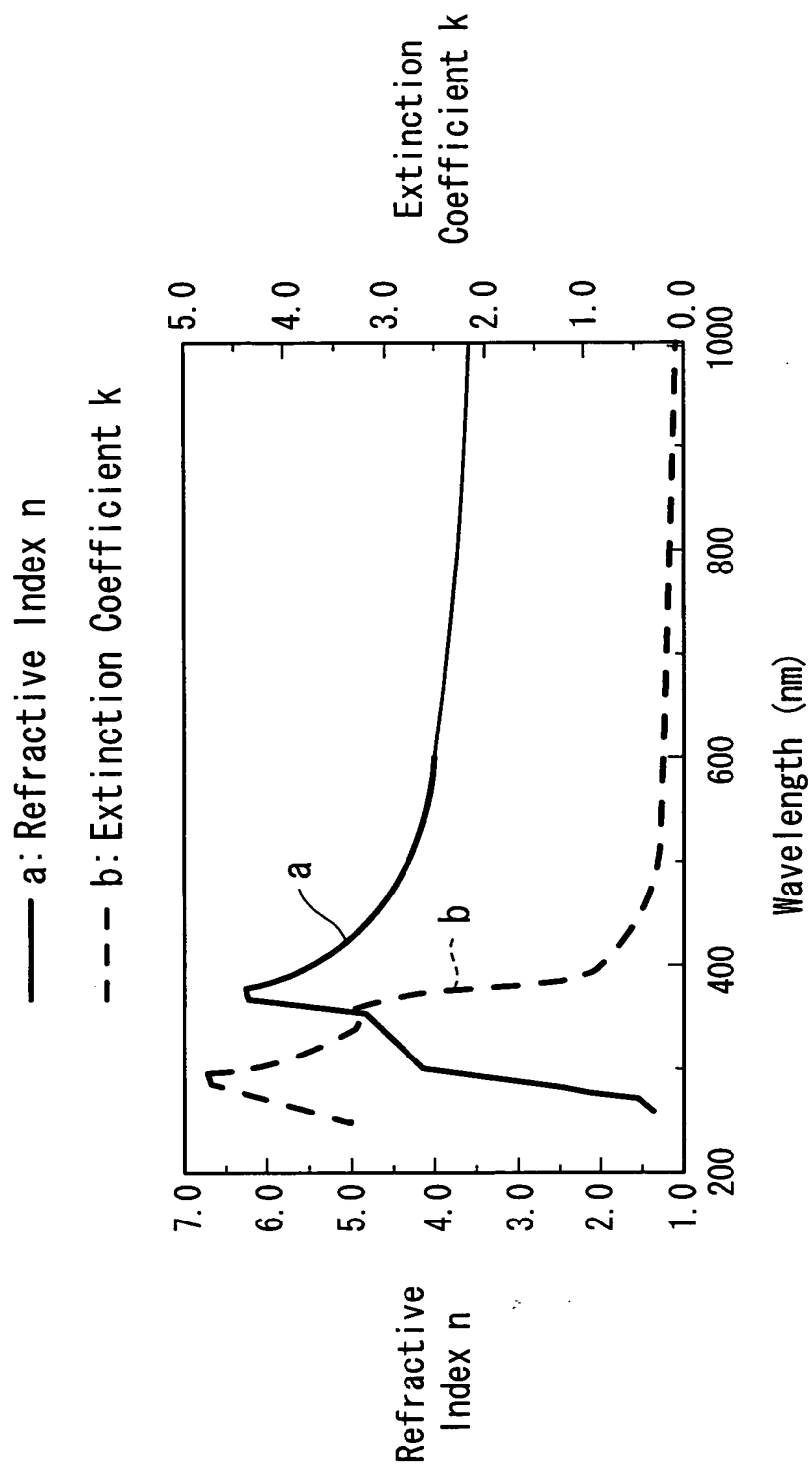
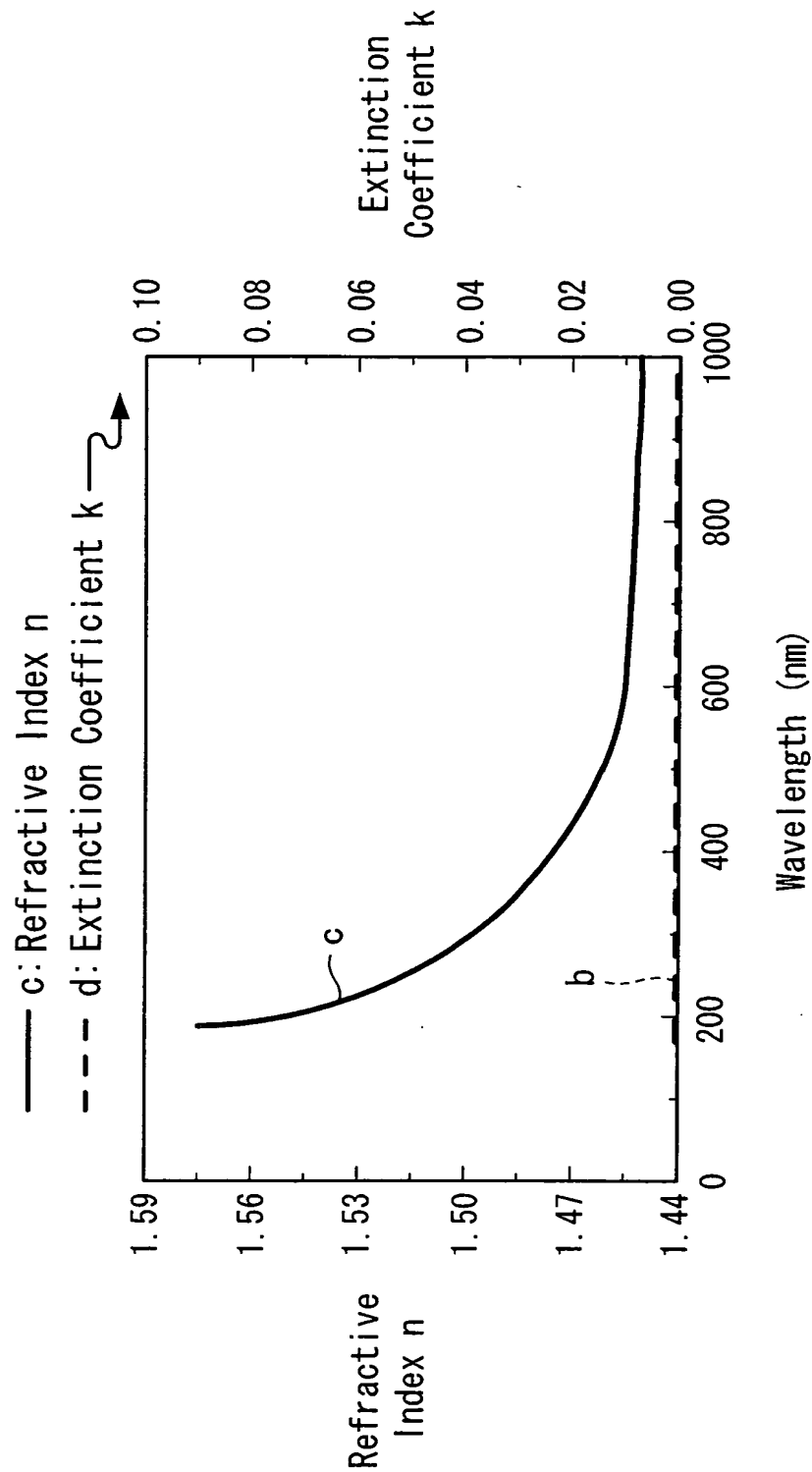


FIG. 22



Optical Characteristics of Silicon

FIG. 23



Optical Characteristics of Silicon Oxide

FIG. 24

